

Common name	Botanical name of plant source
Parsley .....	<i>Petroselinum crispum</i> (Mill.) Mansf.
Pepper, black .....	<i>Piper nigrum</i> L.
Pepper, cayenne .....	<i>Capsicum frutescens</i> L. or <i>Capsicum annuum</i> L.
Pepper, red .....	Do.
Pepper, white .....	<i>Piper nigrum</i> L.
Peppermint .....	<i>Mentha piperita</i> L.
Poppy seed .....	<i>Papaver somniferum</i> L.
Pot marigold .....	<i>Calendula officinalis</i> L.
Pot marjoram .....	<i>Majorana officinalis</i> (L.) Benth.
Rosemary .....	<i>Rosmarinus officinalis</i> L.
Rue .....	<i>Ruta graveolens</i> L.
Saffron .....	<i>Crocus sativus</i> L.
Sage .....	<i>Salvia officinalis</i> L.
Sage, Greek .....	<i>Salvia triloba</i> L.
Savory, summer .....	<i>Satureja hortensis</i> L. (Satureja).
Savory, winter .....	<i>Satureja montana</i> L. (Satureja).
Sesame .....	<i>Sesamum indicum</i> L.
Spearmint .....	<i>Mentha spicata</i> L.
Star anise .....	<i>Illicium verum</i> Hook. f.
Tarragon .....	<i>Artemisia dracunculus</i> L.
Thyme .....	<i>Thymus vulgaris</i> L.
Thyme, wild or creeping .....	<i>Thymus serpyllum</i> L.
Turmeric .....	<i>Curcuma longa</i> L.
Vanilla .....	<i>Vanilla planifolia</i> Andr. or <i>Vanilla tahitensis</i> J. W. Moore.
Zedoary .....	<i>Curcuma zedoaria</i> Rosc.

**§ 582.20 Essential oils, oleoresins (solvent-free), and natural extractives (including distillates).**

Essential oils, oleoresins (solvent-free), and natural extractives (includ-

ing distillates) that are generally recognized as safe for their intended use, within the meaning of section 409 of the act, are as follows:

Common name	Botanical name of plant source
Alfalfa .....	<i>Medicago sativa</i> L.
Allspice .....	<i>Pimenta officinalis</i> Lindl.
Almond, bitter (free from prussic acid) .....	<i>Prunus amygdalus</i> Batsch, <i>Prunus armeniaca</i> L. or <i>Prunus persica</i> (L.) Batsch.
Ambrette (seed) .....	<i>Hibiscus moschatus</i> Moench.
Angelica root .....	<i>Angelica archangelica</i> L.
Angelica seed .....	Do.
Angelica stem .....	Do.
Angostura (cupsaria bark) .....	<i>Galipea officinalis</i> Hancock.
Anise .....	<i>Pimpinella anisum</i> L.
Asafetida .....	<i>Ferula assa-foetida</i> L. and related spp. of <i>Ferula</i> .
Balm (lemon balm) .....	<i>Melissa officinalis</i> L.
Balsam of Peru .....	<i>Myroxylon pereirae</i> Klotzsch.
Basil .....	<i>Ocimum basilicum</i> L.
Bay leaves .....	<i>Laurus nobilis</i> L.
Bay (myrcia oil) .....	<i>Pimenta racemosa</i> (Mill.) J. W. Moore.
Bergamot (bergamot orange) .....	<i>Citrus aurantium</i> L. subsp. <i>bergamia</i> Wright et Arn.
Bitter almond (free from prussic acid) .....	<i>Prunus amygdalus</i> Batsch, <i>Prunus armeniaca</i> L., or <i>Prunus persica</i> (L.) Batsch.
Bois de rose .....	<i>Aniba rosaedora</i> Ducke.
Cacao .....	<i>Theobroma cacao</i> L.
Camomile (chamomile) flowers, Hungarian .....	<i>Matricaria chamomilla</i> L.
Camomile (chamomile) flowers, Roman or English .....	<i>Anthemis nobilis</i> L.
Cananga .....	<i>Cananga odorata</i> Hook. f. and Thoms.
Capsicum .....	<i>Capsicum frutescens</i> L. and <i>Capsicum annuum</i> L.
Caraway .....	<i>Carum carvi</i> L.
Cardamom seed (cardamon) .....	<i>Elettaria cardamomum</i> Maton.
Carob bean .....	<i>Ceratonia siliqua</i> L.
Carrot .....	<i>Daucus carota</i> L.
Cascarilla bark .....	<i>Croton eluteria</i> Benn.
Cassia bark, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cassia bark, Padang or Batavia .....	<i>Cinnamomum burmanni</i> Blume.
Cassia bark, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Celery seed .....	<i>Apium graveolens</i> L.
Cherry, wild, bark .....	<i>Prunus serotina</i> Ehrh.
Chervil .....	<i>Anthriscus cerefolium</i> (L.) Hoffm.

**§ 582.20**

**21 CFR Ch. I (4-1-13 Edition)**

Common name	Botanical name of plant source
Chicory .....	<i>Cichorium intybus</i> L.
Cinnamon bark, Ceylon .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon bark, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon bark, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Cinnamon leaf, Ceylon .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon leaf, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon leaf, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Citronella .....	<i>Cymbopogon nardus</i> Rendle.
Citrus peels .....	<i>Citrus</i> spp.
Clary (clary sage) .....	<i>Salvia sclarea</i> L.
Clove bud .....	<i>Eugenia caryophyllata</i> Thunb.
Clove leaf .....	Do.
Clove stem .....	Do.
Clover .....	<i>Trifolium</i> spp.
Coca (decocainized) .....	<i>Erythroxylum coca</i> Lam. and other spp. of <i>Erythroxylum</i> .
Coffee .....	<i>Coffea</i> spp.
Cola nut .....	<i>Cola acuminata</i> Schott and Endl., and other spp. of <i>Cola</i> .
Coriander .....	<i>Coriandrum sativum</i> L.
Corn silk .....	<i>Zea mays</i> L.
Cumin (cummin) .....	<i>Cuminum cyminum</i> L.
Curacao orange peel (orange, bitter peel) .....	<i>Citrus aurantium</i> L.
Cupsaria bark .....	<i>Galipea officinalis</i> Hancock.
Dandelion .....	<i>Taraxacum officinale</i> Weber and <i>T. laevigatum</i> DC.
Dandelion root .....	Do.
Dill .....	<i>Anethum graveolens</i> L.
Dog grass (quackgrass, triticum) .....	<i>Agropyron repens</i> (L.) Beauv.
Elder flowers .....	<i>Sambucus canadensis</i> L. and <i>S. nigra</i> L.
Estragole (esdragol, esdragon, tarragon) .....	<i>Artemisia dracunculus</i> L.
Estragon (tarragon) .....	Do.
Fennel, sweet .....	<i>Foeniculum vulgare</i> Mill.
Fenugreek .....	<i>Trigonella foenum-graecum</i> L.
Galanga (galangal) .....	<i>Alpinia officinarum</i> Hance.
Garlic .....	<i>Allium sativum</i> L.
Geranium .....	<i>Pelargonium</i> spp.
Geranium, East Indian .....	<i>Cymbopogon martinii</i> Stapf.
Geranium, rose .....	<i>Pelargonium graveolens</i> L'Her.
Ginger .....	<i>Zingiber officinale</i> Rosc.
Glycyrrhiza .....	<i>Glycyrrhiza glabra</i> L. and other spp. of <i>Glycyrrhiza</i> .
Glycyrrhizin, ammoniated .....	Do.
Grapefruit .....	<i>Citrus paradisi</i> Macf.
Guava .....	<i>Psidium</i> spp.
Hickory bark .....	<i>Carya</i> spp.
Horehound (hoarhound) .....	<i>Marrubium vulgare</i> L.
Hops .....	<i>Humulus lupulus</i> L.
Horsemint .....	<i>Monarda punctata</i> L.
Hyssop .....	<i>Hyssopus officinalis</i> L.
Immortelle .....	<i>Helichrysum angustifolium</i> DC.
Jasmine .....	<i>Jamum officinale</i> L. and other spp. of <i>Jasminum</i> .
Juniper (berries) .....	<i>Juniperus communis</i> L.
Kola nut .....	<i>Cola acuminata</i> Schott and Endl., and other spp. of <i>Cola</i> .
Laurel berries .....	<i>Laurus nobilis</i> L.
Laurel leaves .....	<i>Laurus</i> spp.
Lavender .....	<i>Lavandula officinalis</i> Chaix.
Lavender, spike .....	<i>Lavandula latifolia</i> Vill.
Lavandin .....	Hybrids between <i>Lavandula officinalis</i> Chaix and <i>Lavandula latifolia</i> Vill.
Lemon .....	<i>Citrus limon</i> (L.) Burm. f.
Lemon balm (see balm). .....	<i>Cymbopogon citratus</i> DC. and <i>Cymbopogon flexuosus</i> Stapf.
Lemon grass .....	<i>Citrus limon</i> (L.) Burm. f.
Lemon peel .....	<i>Glycyrrhiza glabra</i> L. and other spp. of <i>Glycyrrhiza</i> .
Licorice .....	<i>Citrus aurantiifolia</i> Swingle.
Lime .....	<i>Tilia</i> spp.
Linden flowers .....	<i>Ceratonia siliqua</i> L.
Locust bean .....	<i>Humulus lupulus</i> L.
Lupulin .....	<i>Myristica fragrans</i> Houtt.
Mace .....	<i>Hordeum vulgare</i> L., or other grains.
Malt (extract) .....	<i>Citrus reticulata</i> Blanco.
Mandarin .....	<i>Majorana hortensis</i> Moench.
Marjoram, sweet .....	<i>Ilex paraguariensis</i> St. Hil.
Mate 1 .....	<i>Mentha</i> spp.
Melissa (see balm). .....	Do.
Menthol .....	<i>Saccharum officinarum</i> L.
Methyl acetate .....	
Molasses (extract) .....	

**Food and Drug Administration, HHS**
**§ 582.20**

Common name	Botanical name of plant source
Mustard .....	<i>Brassica</i> spp.
Naringin .....	<i>Citrus paradisi</i> Macf.
Neroli, bigarade .....	<i>Citrus aurantium</i> L.
Nutmeg .....	<i>Myristica fragrans</i> Houtt.
Onion .....	<i>Allium cepa</i> L.
Orange, bitter, flowers .....	<i>Citrus aurantium</i> L.
Orange, bitter, peel .....	Do.
Orange leaf .....	<i>Citrus sinensis</i> (L.) Osbeck.
Orange, sweet .....	Do.
Orange, sweet, flowers .....	Do.
Orange, sweet, peel .....	Do.
Origanum .....	<i>Origanum</i> spp.
Palmarosa .....	<i>Cymbopogon martini</i> Stapf.
Paprika .....	<i>Capsicum annuum</i> L.
Parsley .....	<i>Petroselinum crispum</i> (Mill.) Mansf.
Pepper, black .....	<i>Piper nigrum</i> L.
Pepper, white .....	<i>Piper nigrum</i> L.
Peppermint .....	<i>Mentha piperita</i> L.
Peruvian balsam .....	<i>Myroxylon pereirae</i> Klotzsch.
Petitgrain .....	<i>Citrus aurantium</i> L.
Petitgrain lemon .....	<i>Citrus limon</i> (L.) Burm. f.
Petitgrain mandarin or tangerine .....	<i>Citrus reticulata</i> Blanco.
Pimenta .....	<i>Pimenta officinalis</i> Lindl.
Pimenta leaf .....	<i>Pimenta officinalis</i> Lindl.
Pipsissewa leaves .....	<i>Chimaphila umbellata</i> Nutt.
Pomegranate .....	<i>Punica granatum</i> L.
Prickly ash bark .....	<i>Xanthoxylum</i> (or <i>Zanthoxylum</i> ) <i>Americanum</i> Mill. or <i>Xanthoxylum clava-herculis</i> L.
Rose absolute .....	<i>Rosa</i> spp. <i>Rosa alba</i> L., <i>Rosa centifolia</i> L., <i>Rosa damascena</i> Mill., <i>Rosa gallica</i> L., and vars. of these spp.
Rose (otto of roses, attar of roses) .....	Do. Do. Do. Do.
Rose buds .....	
Rose flowers .....	
Rose fruit (hips) .....	
Rose geranium .....	<i>Pelargonium graveolens</i> L'Her.
Rose leaves .....	<i>Rosa</i> spp.
Rosemary .....	<i>Rosmarinus officinalis</i> L.
Rue .....	<i>Ruta graveolens</i> L.
Saffron .....	<i>Crocus sativus</i> L.
Sage .....	<i>Salvia officinalis</i> L.
Sage, Greek .....	<i>Salvia triloba</i> L.
Sage, Spanish .....	<i>Salvia lavandulaefolia</i> Vahl.
St. John's bread .....	<i>Ceratonia siliqua</i> L.
Savory, summer .....	<i>Satureia hortensis</i> L.
Savory, winter .....	<i>Satureia montana</i> L.
Schinus molle .....	<i>Schinus molle</i> L.
Sloe berries (blackthorn berries) .....	<i>Prunus spinosa</i> L.
Spearmint .....	<i>Mentha spicata</i> L.
Spike lavender .....	<i>Lavandula latifolia</i> Vill.
Tamarind .....	<i>Tamarindus indica</i> L.
Tangerine .....	<i>Citrus reticulata</i> Blanco.
Tannic acid .....	Nutgalls of <i>Quercus infectoria</i> Oliver and related spp. of <i>Quercus</i> . Also in many other plants.
Tarragon .....	<i>Artemisia dracunculus</i> L.
Tea .....	<i>Thea sinensis</i> L.
Thyme .....	<i>Thymus vulgaris</i> L. and <i>Thymus zygis</i> var. <i>gracilis</i> Boiss.
Thyme, white .....	Do.
Thyme, wild or creeping .....	<i>Thymus serpyllum</i> L.
Triticum (see dog grass). ....	
Tuberose .....	<i>Polianthes tuberosa</i> L.
Turmeric .....	<i>Curcuma longa</i> L.
Vanilla .....	<i>Vanilla planifolia</i> Andr. or <i>Vanilla tahitensis</i> J. W. Moore.
Violet flowers .....	<i>Viola odorata</i> L.
Violet leaves .....	Do.
Violet leaves absolute .....	Do.
Wild cherry bark .....	<i>Prunus serotina</i> Ehrh.
Ylang-ylang .....	<i>Cananga odorata</i> Hook. f. and Thoms.
Zedoary bark .....	<i>Curcuma zedoaria</i> Rosc.